



ExafPure WF Series Cartridge and Capsule Filter

>> Ultra-Pure and High Filtration Retention Filter Cartridge and Capsule

Description

Membrane Solutions ExafPure WF series filters are All-PTFE structure. The filters use high flow rate PTFE membranes. This kind of filters is especially designed for chemicals including SC1, SC2, 49HF, HNO3, EKC and NMP in SEMI-WEC application. Excellent filter design could ensure low pressure drop across the filter and good particle removal performance. The fluoropolymer material possesses low concentration of extractables and other contaminants that may be detrimental to the process, and provides high retention performance in the application at the same time.

Features

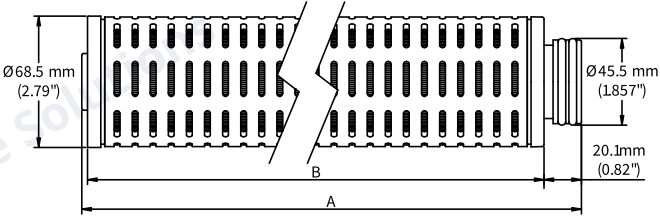
- Excellent flow performance and longer lifetime
- Excellent chemical and temperature resistance
- All fluoropolymer construction and very low extractables
- Pre-wet option for convenience
- 100% Integrity tested



Specifications

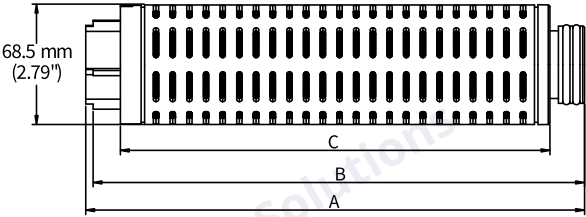
Materials	Membrane		PTFE	
	Support, Core and Cage		PFA	
	Cartridge O-ring		TEV / FFKM	
	Disposable Shell		PFA	
Removal Rating	10 nm, 20 nm, 30 nm, 50 nm, 0.1 µm, 0.2 µm			
Membrane Area	SX (φ68 mm)	0.91 m²/10"	MX (φ83 mm)	1.8 m²/10"
	SY (φ68 mm)	1.2 m²/10"	MY (φ83 mm)	2.2 m²/10"
			MZ (φ83 mm)	2.8 m²/10"
Cartridge Filter Max. Operating Conditions	Max. Forward Differential Pressure		0.5 MPa (72 psi) @ 25 °C (77 °F) 0.2 MPa (29 psi) @ 100 °C (212 °F) 0.05 MPa (7.25 psi) @ 180 °C (356 °F)	
	Max. Reverse Differential Pressure		0.35 MPa (50 psi) @ 25 °C (77 °F)	
	Max. Operating Temperature		180 °C (356 °F)	
Disposables Max. Operating Conditions			Small In-Line X Type	T Type S 300 Dispoable
	Max. Forward Differential Pressure		0.4 MPa (58psi) @ 25 °C	0.5 MPa (72psi) @ 25 °C
	Max. Operating Temperature		100 °C (212 °F)	180 °C (356 °F)
Package	Dry; Prewet by UPW			

Dimensions



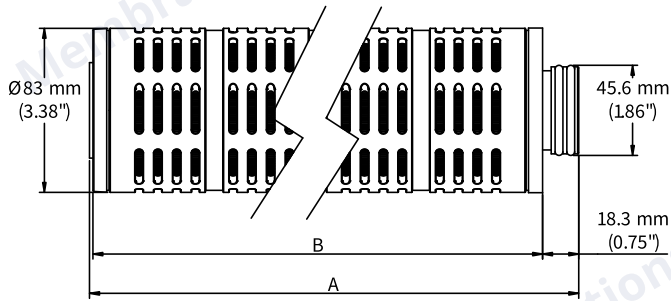
ExafPure WF φ68mm Cartridge (SX, XY)

Nominal Size	A	B
4"	125.8±2 mm (5")	102.7±2 mm (4")
10"	262.6±2 mm (10")	239.5±2 mm (9.4")
20"	505±4 mm (20")	481.9±4 mm (19")



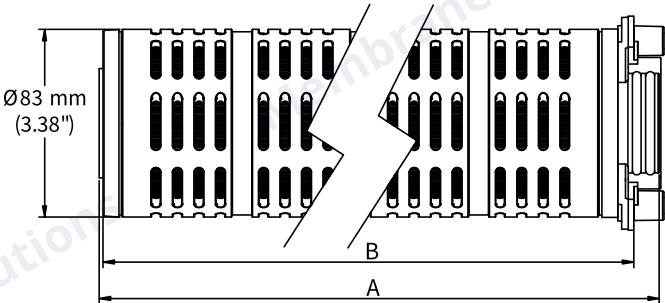
ExafPure WF φ68mm Cartridge (SX, XY) KP Adaptor

Nominal Size	A	B	C
10"	284±2 mm (11.2")	279.8±2 mm (11")	244.6±2 mm (9.6")



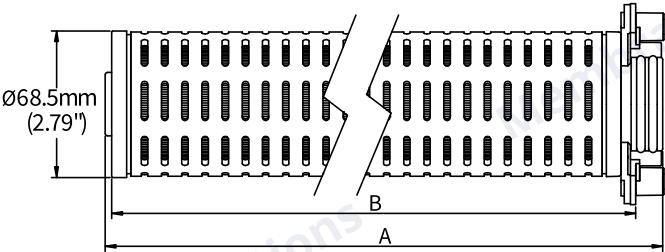
ExafPure WF φ83mm Cartridge (MF, MX, MY, MZ)

Nominal Size	A	B
4"	124.1±2 mm (4.7")	104.1±2 mm (4")
10"	248.6±2 mm (9.7")	228.6±2 mm (9")
20"	482.1±4 mm (19")	462.1±4 mm (18.2")



ExafPure WF φ83mm Cartridge with K Adaptor

Nominal Size	A	B
4"	124.1±2 mm (4.7")	104.1±2 mm (4")
10"	248.6±2 mm (9.7")	228.6±2 mm (9")
20"	482.1±4 mm (19")	462.1±4 mm (18.2")

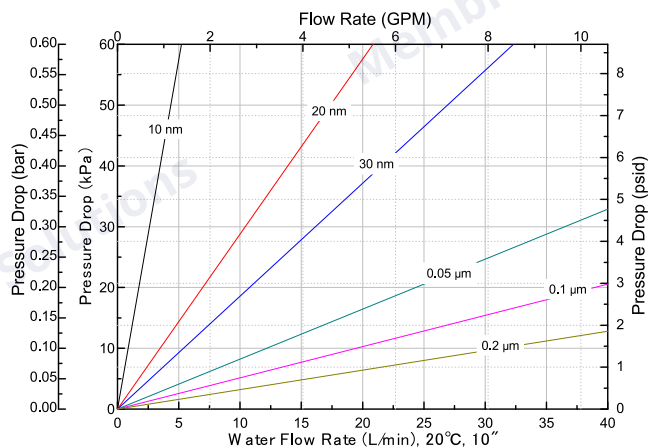


ExafPure WF φ68mm Cartridge with K Adaptor

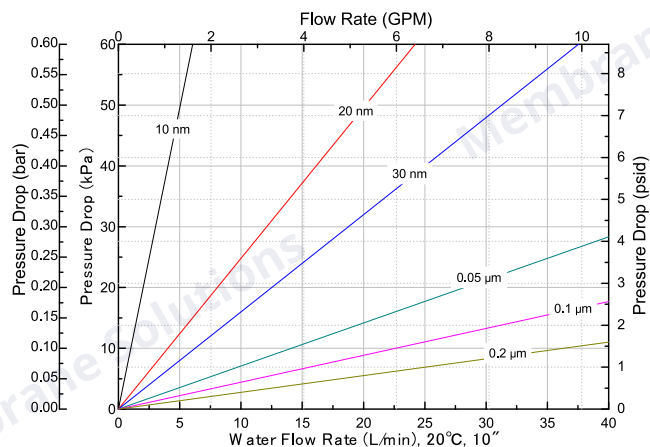
Nominal Size	A	B
4"	125.8±2 mm (5")	102.7±2 mm (4")
10"	262.6±2 mm (10")	239.5±2 mm (9.4")
20"	505±4 mm (20")	481.9±4 mm (19")

Flow Characteristics

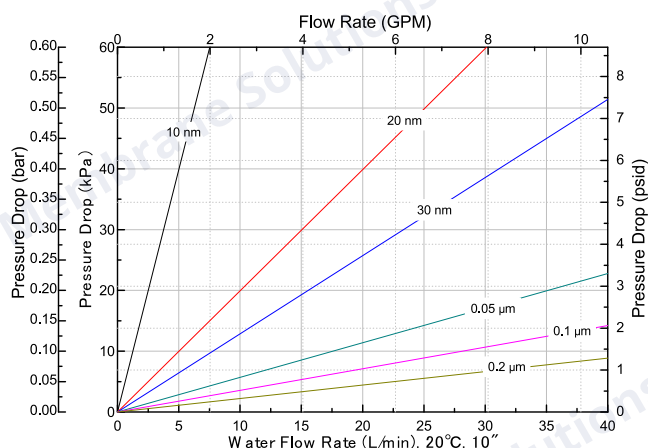
ExafPure WF SX 10" Cartridge Filter



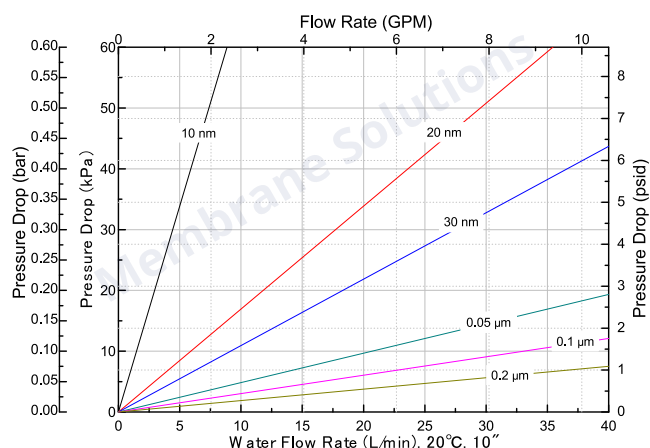
ExafPure WF SY 10" Cartridge Filter



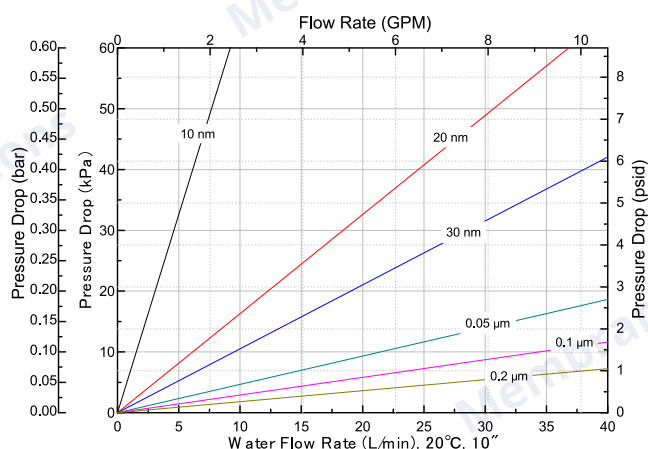
ExafPure WF MF 10" Cartridge Filter



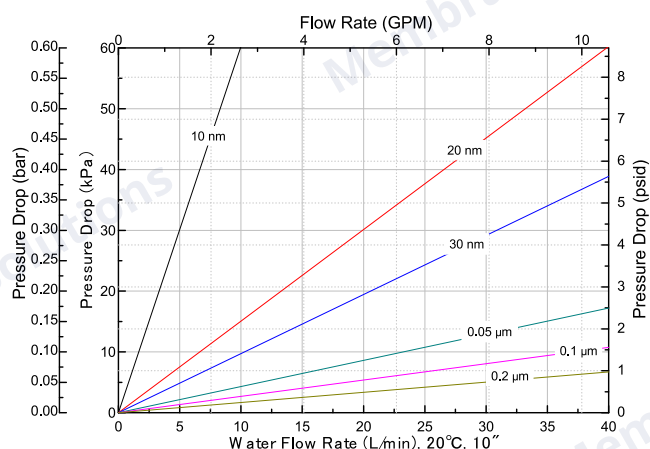
ExafPure WF MX 10" Cartridge Filter



ExafPure WF MY 10" Cartridge Filter



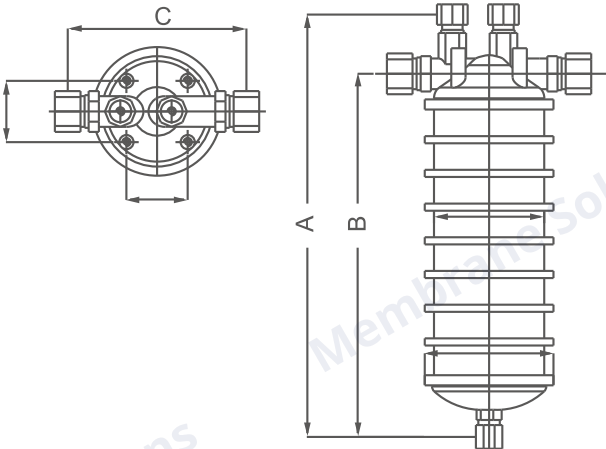
ExafPure WF MZ 10" Cartridge Filter



Ordering Information

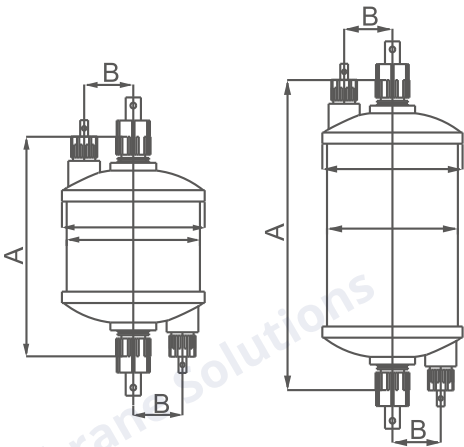
Series	Removal Ratings	Membrane	Diameter	End Cap	Length	O-ring	Metal Cleanliness	Package
WFC	E = 10 nm	Blank = Hydrophobic PTFE	SX = $\phi 68$ mm, 0.91 m ²	N = 222 Flat	04 = 4"	T = TEV	U = <3 μ g/device	D = Dry
	A = 20 nm	N = Non-dewetting PTFE	SY = $\phi 68$ mm, 1.2 m ²	K = 222 Flat with Lock-key	10 = 10"	K = FFKM	Q = <10 μ g/device	W = UPW Prewet
	C = 30 nm		MF = $\phi 83$ mm, 1.3 m ²	KP = 222 High Flat with Lock-Key	20 = 20"		R = <25 μ g/device	
	G = 50 nm		MX = $\phi 83$ mm, 1.8 m ²				C = <40 μ g/device	
	B = 0.1 μ m		MY = $\phi 83$ mm, 2.2 m ²				E = Electronic	
	J = 0.2 μ m		MZ = $\phi 83$ mm, 2.8 m ²					

Dimensions



ExafPure WF T-line Disposable

Inlet/ Outlet	Vent/ Drain	Dimensions(Super 300 Type Pillar Fittings)		
		A	B	C
3/4"	1/2"	400 mm	342 mm	172 mm

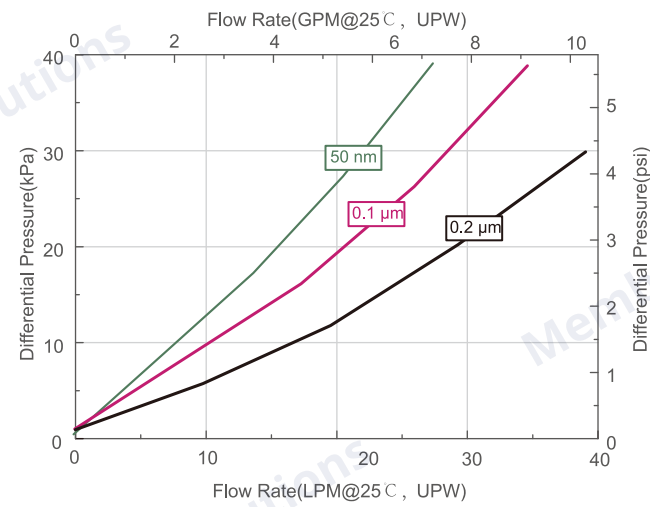


ExafPure WF X-line Disposable

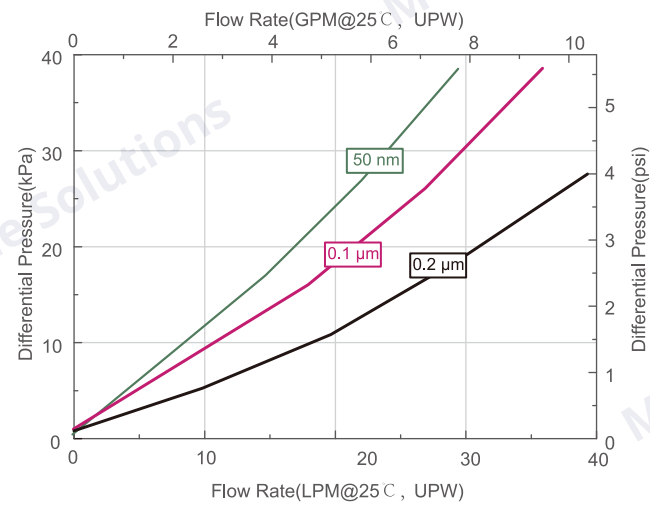
Inlet/ Outlet	Vent/ Drain	Dimensions(Flaretek Fittings)		
		A (4")	A (2")	B
3/8"	1/4"	221 mm	165 mm	32 mm

Flow Characteristics

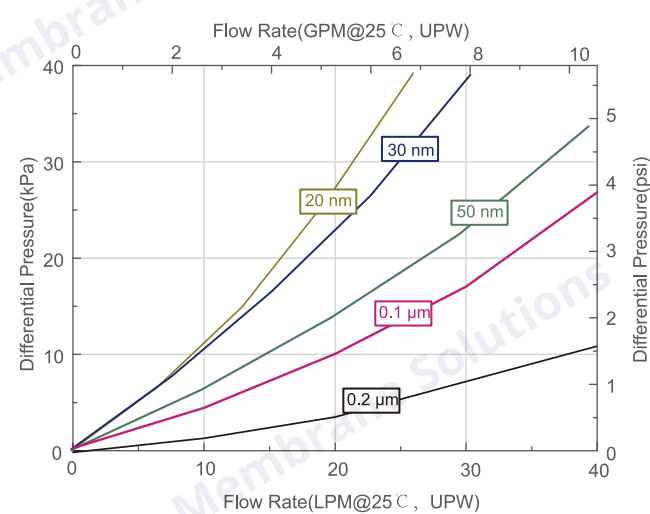
ExafPure WF SX 4" Disposable Filter with 3/8" Fitting



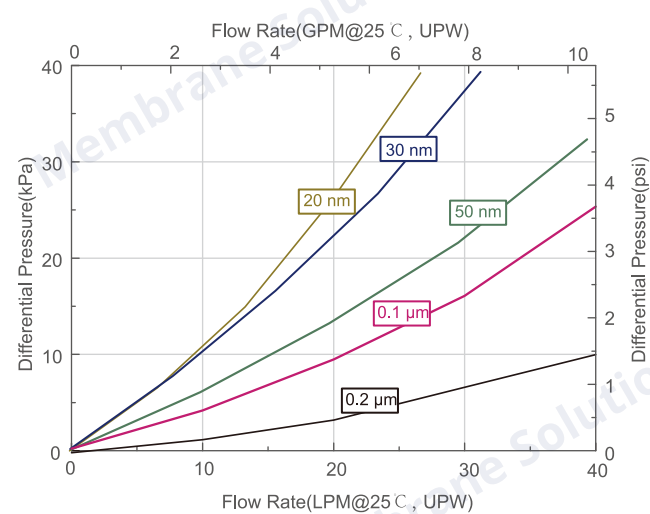
ExafPure WF SY 4" Disposable Filter with 3/8" Fitting



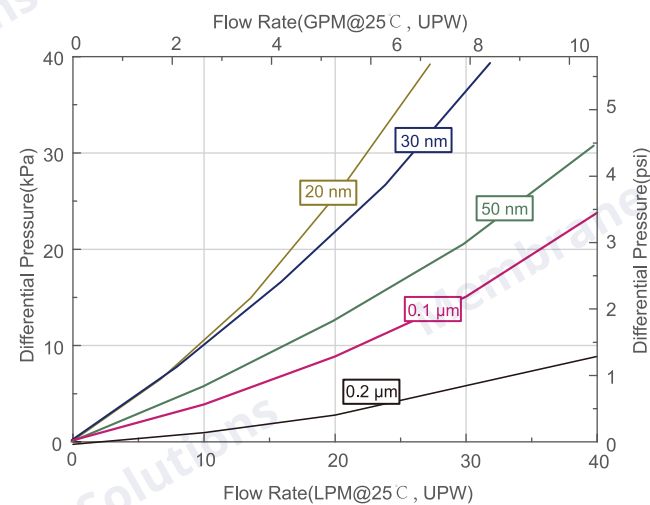
ExafPure WF MF 10" Disposable Filter with 3/4" Fitting



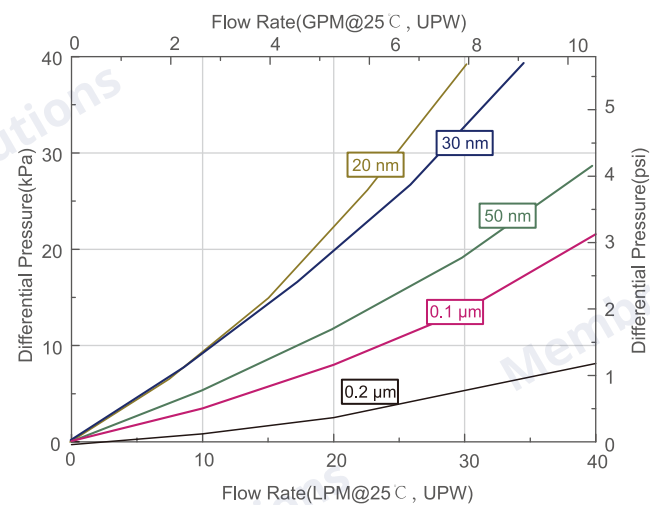
ExafPure WF MX 10" Disposable Filter with 3/4" Fitting



ExafPure WF MY 10" Disposable Filter with 3/4" Fitting



ExafPure WF MZ 10" Disposable Filter with 3/4" Fitting



Ordering Information

Series	Removal Rating	Membrane	Diameter	Fitting Configuration	Length	Metal Cleanliness	Package
WFD	E = 10 nm	Blank = Hydrophobic PTFE	SX = $\phi 68$ mm, 0.91 m ²	TS64	02 = 2"	U = <3 μ g/device	D = Dry
	A = 20 nm	N = Non-dewetting PTFE	SY = $\phi 68$ mm, 1.2 m ²	XF32	04 = 4"	Q = <10 μ g/device	W = UPW Prewet
	C = 30 nm		MF = $\phi 83$ mm, 1.3 m ²		10 = 10"	R = <25 μ g/device	
	G = 50 nm		MX = $\phi 83$ mm, 1.8 m ²			C = <40 μ g/device	
	B = 0.1 μ m		MY = $\phi 83$ mm, 2.2 m ²			E = Electronic	
	J = 0.2 μ m		MZ = $\phi 83$ mm, 2.8 m ²				

Code	Code	Inlet/Outlet	Vent/Drain	Fitting
XF32	X-Line	3/8"	1/4"	Flaretek
TS64	T-Line	3/4"	1/2"	Super 300 Type Pillar



Phone: 1-866-528-4572
Email: info@membrane-solutions.com
Address: 4530 B STREET NW #A, AUBURN WA 98001, USA



Phone: 400-821-1812
Email: info@membrane-solutions.com
Address: 2202, No.1759 North Zhongshan Road, Shanghai 200061